

- ODownsized and high ripple current from RWF series
- Endurance with ripple current: 5,000 hours at 85°C
- RoHS2 Compliant



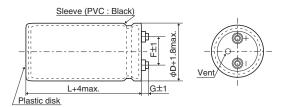


SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25 to +85℃								
Rated Voltage Range	350 to 450V _{dc}	350 to 450V _{dc}							
Capacitance Tolerance	±20% (M)		(at 20℃, 120Hz)						
Leakage Current	I=0.02CV or 5mA, whiche	ever is smaller.							
	Where, I: Max. leakage of	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 5 minutes)							
Dissipation Factor (tan δ)	0.25 max.	0.25 max. (at 20℃, 120Hz)							
Low Temperature Characteristics	Capacitance change C(Capacitance change $C(-25^{\circ})/C(+20^{\circ}) \ge 0.7$ (at 120Hz)							
Insulation Resistance	When measured between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of $500V_{ds}$, the insulation resistance shall not be less than $100M\Omega$.								
Insulation Withstanding Voltage	When a voltage of 2,000V _{sc} is applied for 1 minute between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.								
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 85°C. Capacitance change ≤ ±20% of the initial value								
	D.F. (tan δ)	≦200% of the initial specified value							
	Leakage current	≦The initial specified value							
Useful life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 8,000 hours at 85°C.								
	Capacitance change	≦±30% of the initial value							
	D.F. (tan δ) Leakage current	≤300% of the initial specified value ≤The initial specified value							
	Failure rate	≦1%							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	\leq ±20% of the initial value							
	D.F. (tan δ)	≤200% of the initial specified value							
	Leakage current	≦The initial specified value							

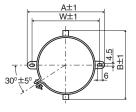
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code: LG



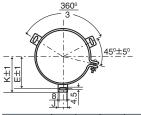
 ϕ 63.5, ϕ 76.2 : G=6 ϕ 89 : G=4

•Mounting Clamp Code : B



φD	Α	В	W	F
63.5	90.0	76.0	80.0	28.0
76.2	104.5	90.0	93.5	31.5

•Mounting Clamp Code : C



φD	Е	K	F	J	
63.5	38.1	43.5	28.0	14.0	
76.2	44.5	50.0	31.5	14.0	
89	50.8	56.5	31.5	16.0	

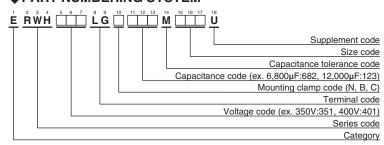
<Screw specifcations>

Plus hexagon-headed screw :M5×0.8×10

Maximum screw tightening torque :3.23Nm

* The screw and the mounting clamp are separately supplied and not attached to the product.

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"



STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
	4,700	63.5 × 105	0.25	16.3	ERWH351LGC472MDA5U
	5,600	63.5 × 125	0.25	19.2	ERWH351LGC562MDC5U
	6,800	63.5 × 145	0.25	22.6	ERWH351LGC682MDE5U
	6,800	76.2 × 105	0.25	21.7	ERWH351LGC682MEA5U
350	8,200	63.5 × 165	0.25	26.3	ERWH351LGC822MDG5U
330	8,200	76.2 × 120	0.25	25.2	ERWH351LGC822MEC0U
	10,000	76.2×140	0.25	29.8	ERWH351LGC103MEE0U
	12,000	76.2 × 165	0.25	35.1	ERWH351LGC123MEG5U
	15,000	89 × 155	0.25	37.5	ERWH351LGC153MFF5U
	18,000	89 × 180	0.25	43.8	ERWH351LGC183MFJ0U
	3,900	63.5 × 100	0.25	14.5	ERWH401LGC392MDA0U
	4,700	63.5 × 120	0.25	17.2	ERWH401LGC472MDC0U
400	5,600	63.5 × 135	0.25	19.8	ERWH401LGC562MDD5U
400	5,600	76.2 × 105	0.25	19.7	ERWH401LGC562MEA5U
	6,800	63.5 × 160	0.25	23.5	ERWH401LGC682MDG0U
	6,800	76.2 × 115	0.25	22.5	ERWH401LGC682MEB5U

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
	8,200	76.2 × 135	0.25	26.5	ERWH401LGC822MED5U
	10,000	76.2 × 160	0.25	31.6	ERWH401LGC103MEG0U
400	10,000	89 × 130	0.25	28.3	ERWH401LGC103MFD0U
	12,000	89 × 150	0.25	33.0	ERWH401LGC123MFF0U
	15,000	89 × 180	0.25	39.9	ERWH401LGC153MFJ0U
	3,300	63.5 × 105	0.25	13.6	ERWH451LGC332MDA5U
	3,900	63.5 × 125	0.25	16.0	ERWH451LGC392MDC5U
	4,700	63.5 × 145	0.25	18.7	ERWH451LGC472MDE5U
	4,700	76.2 × 105	0.25	18.0	ERWH451LGC472MEA5U
	5,600	63.5 × 165	0.25	21.7	ERWH451LGC562MDG5U
450	5,600	76.2 × 120	0.25	20.8	ERWH451LGC562MEC0U
	6,800	76.2 × 140	0.25	24.5	ERWH451LGC682MEE0U
	8,200	76.2 × 165	0.25	29.0	ERWH451LGC822MEG5U
	8,200	89 × 135	0.25	26.1	ERWH451LGC822MFD5U
	10,000	89 × 155	0.25	30.5	ERWH451LGC103MFF5U
	12,000	89 × 190	0.25	36.6	ERWH451LGC123MFK0U

TABLE CURRENT MULTIPLIERS

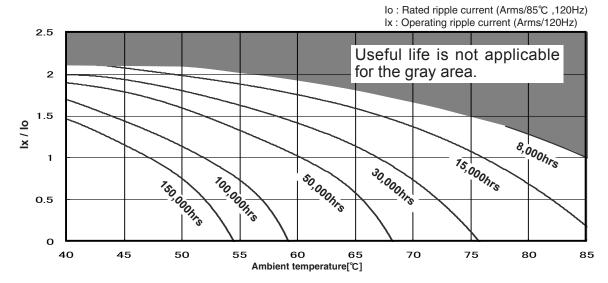
Frequency Multipliers

Frequency (Hz)	50	120	300	1k	3k
Coefficient	0.8	1.0	1.1	1.3	1.4

Note: The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the RWH series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For details, please contact a representative of Nippon Chemi-Con.

♦USEFUL LIFE

Useful life depending on the ambient temperature Tx under ripple current operating conditions



Warning !

Useful life shall indicate the end of the life time without exceeding the specified failure rate. It's generally known that Aluminum Electrolytic Capacitors have wear-out failure mode with gradual deteriorate of the electrical parameters and should have large number of the failure rate at the end of life. The useful life time is specified by a certain failure rate. It's not a guaranteed specification.

Generally the maximum life time is 15 years (131,000hours) considering sealing material deteriorate. When a longer life time is required for your application, please consult us.